

# BGA glider data sheet - K 7

Data source : Manufacturers' handbook Date of issue: 1958

Manufacturer: A Schleicher GmbH & Co, Segelflugzeugbau, 36161 Poppenhausen, Germany

UK Agent: Peter Wells

E Mail: [office@zulu-glasstek.co.uk](mailto:office@zulu-glasstek.co.uk) Phone: 01844 208 157

URL : [http://www.as-segelflugzeuge.de/englisch/e\\_main.htm](http://www.as-segelflugzeuge.de/englisch/e_main.htm)

## Weighing Data:

	Kg	Pounds
Max weight	480	1058
BGA concession non-aerobatic max weight	529	1166
Max weight of non-lifting components (everything except wings)	320	705
BGA concession non-aerobatic max weight of non-lifting components	369	814
Max pilot weight (seat load)	100	220
Max pilot weight (seat load) BGA	110	242

mm

Forward C of G limit (aft of datum)	50
Aft C of G limit (aft of datum)	275
Front pilot position (forward of datum)	825
Rear pilot position (forward of datum)	0

Longitudinal datum: Wing rib 2 LE .

Horizontal datum: Rear fuselage top longeron 1000:35 tail down (underside of rib 3 horizontal)

## Control deflections in mm:

	Up	Down	Distance - hinge to measuring point
Ailerons	135 ±10	65 ±10	260
Elevator	160 ±10	160 ±10	470
Trim			
Rudder	Left 350 ±30	Right 350 ±30	750

## Maximum speeds:

	Knots	Kph
VNE	108	200
Rough air	70	130
Manoeuvre	70	130
Aerotow	70	130

	Knots	Kph
Airbrakes open	108	200
Winch / auto tow	54	100
Winch / auto tow BGA figure (weak link reduced to 850kg Tost Brown)	66	122

Max winch weak link: 1070 Kg (Tost black). 850 Kg (Tost brown) with the BGA max winch speed of 66 kts

Tyre pressure: 36 psi (2,5 Bar)

Semi aerobatic. Cloud flying permitted

CAIR Aviation "Ottfur" hook(s) may be fitted in place of the original hooks.

This sheet compiled by: Tim Macfadyen 13.4.05

14 July 2010 BGA concession Max Wt NLP corrected

27 April 2009 (CAIR Aviation hooks added)

4 June 2023 UK agent Email changed

1 Dec 2023 Max speeds for Rough air, Manoeuvre & Aerotow reduced to the TCDS and Flight Manual EAS figures.